

Converting Colors

XYZ(30.8326, 18.5333, 96.5600)

Have a look what the booklet for
XYZ(30.8326, 18.5333, 96.5600)
contains.

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Color

**XYZ(30.8932, 18.5472,
96.5595)**

Conversions

Conversions Part 1

Format	Color
Hex	8554FF
RGB	133, 84, 255
RGB Percent	52%, 33%, 100%
CMY	0.4784, 0.6706, 0.0000
CMYK	0.48, 0.67, 0.00, 0.00
HSL	257°, 100%, 66%
HSV	257°, 67%, 100%
XYZ	30.8932, 18.5472, 96.5595
YIQ	118.1450, -25.6870, 63.5690

Conversions

Conversions Part 2

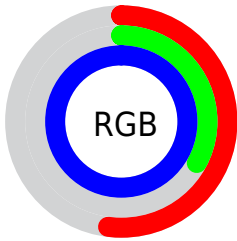
Format	Color
R _Y B	133, 84, 255
Decimal	8738047
CIE Lab	50.15, 58.64, -78.09
CIE LCh	50, 97.656, 306.900
Yxy	18.5472, 0.2116, 0.1270
Android (android.graphics.Color)	4286928127 (0xFF8554FF)
YUV	118.1450, 67.4695, 13.0278
Hunter-Lab	43.0665, 52.6785, -102.7878

Details

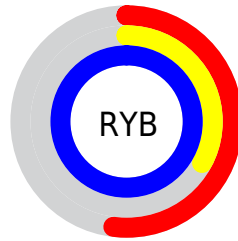
The XYZ color **30.8932, 18.5472, 96.5595** is a light color, and the websafe version is hex **9966FF**. The color can be described as light muted purple. A complement of this color would be **62.8124, 85.2812, 21.5379**, and the grayscale version is **17.0673, 17.9561, 19.5542**.

A 20% lighter version of the original color is **49.2438, 36.5807, 99.0731**, and **12.9785, 6.2932, 53.3540** is the 20% darker color. If you saturate the color by 10%, you get **26.6341, 13.9290, 95.8925**, and if you desaturate by 10%, it is **36.3714, 24.8626, 97.4897**.

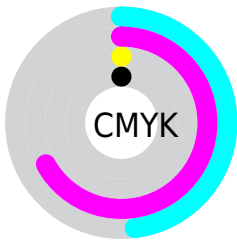
Distribution



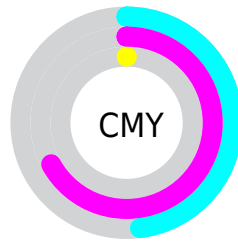
- Red (52%)
- Green (33%)
- Blue (100%)



- Red (52%)
- Yellow (33%)
- Blue (100%)



- Cyan (48%)
- Magenta (67%)
- Yellow (0%)
- Black (0%)



- Cyan (48%)
- Magenta (67%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.8932, 18.5472, 96.5595 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 30.8932, 18.5472, 96.5595 by changing the saturation by 10% instead.

30.8932, 18.5472,
96.5595

30.8932, 18.5472,
96.5595

297.8817,
243.9375, 570.2570

20.6690, 11.3436,
72.8296

60.4489, 40.9676,
158.4314

12.9933, 6.2984,
53.3457

80.5110, 56.9531,
197.4105

7.5009, 3.0274,
37.6892

104.5832, 76.6346,
242.3098

3.8264, 1.1460,
25.4416

133.0307,
100.3967, 293.5477

1.6044, 0.0170,
16.1843

166.2190,
128.6236, 351.5428

0.3953, 0.0000,
9.4989

204.5133,

0.0000, 0.0000,

161.6998, 416.7137

4.9668

248.2791,
200.0096, 489.4789

■ 0.0000, 0.0000,
2.1694

■ 0.0000, 0.0000,
0.6566

■ 30.8932, 18.5472,
96.5595

■ 30.8932, 18.5472,
96.5595

■ 26.6341, 13.9290,
95.8925

■ 36.3714, 24.8626,
97.4897

■ 23.4834, 10.8284,
95.4601

■ 43.1600, 33.0263,
98.7077

■ 21.3086, 9.0207,
95.2258

■ 51.3440, 43.1738,
100.2350

■ 20.8036, 8.6395,
95.1789

■ 61.0000, 55.4275,
102.0913

■ 72.1989, 69.8995,
104.2944

■ 85.0067, 86.6939,
106.8610

95.0500, 100.0000,
108.9000

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



19.8954, 18.5472, 127.8650



30.8932, 18.5472, 96.5595



40.0881, 18.5472, 48.1474

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



30.8932, 18.5472, 96.5595



25.7321, 18.5472, 0.0000



5.0682, 18.5472, 27.0899

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



30.8932, 18.5472, 96.5595



62.8124, 85.2812, 21.5379

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



5.6656, 18.5472, 5.9144



30.8932, 18.5472, 96.5595



15.5408, 18.5472, 0.0000

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



30.8932, 18.5472, 96.5595



36.4415, 18.5472, 2.3170



8.8365, 18.5472, 0.5857



6.7492, 18.5472, 70.0952

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



30.8932, 18.5472, 96.5595



42.6043, 18.5472, 23.1314



8.8365, 18.5472, 0.5857



5.0227, 18.5472, 17.5178

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



30.8941, 18.5477, 96.5595



68.7408, 65.4062, 103.6094



43.9102, 53.5128, 102.6224



14.0335, 13.1202, 22.0428



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



30.8941, 18.5477, 96.5595



25.5975, 12.8683, 95.7424



50.1189, 28.4584, 97.4592



17.4919, 17.6298, 22.7309



10.9966, 4.5794, 49.7389



1.1728, 0.4985, 4.8477

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



55.5503, 32.0567, 61.6489



52.4489, 27.6377, 55.1162



45.2525, 76.2287, 20.7161



18.5577, 18.2064, 21.5539



26.0242, 12.8990, 24.5755



2.5811, 1.2748, 2.6414

Previews

White Background



This preview shows how the XYZ color 30.8932, 18.5472, 96.5595 looks on a white background.

Color Contrast Check

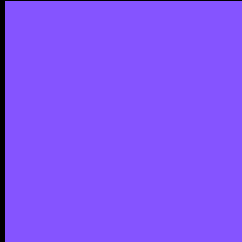
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 30.8932, 18.5472, 96.5595 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

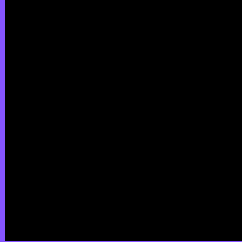
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.8932, 18.5472, 96.5595

Background



This preview shows how black text looks on a background with the XYZ color 30.8932, 18.5472, 96.5595.



This preview shows how white text looks on a background with the XYZ color 30.8932, 18.5472,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

30.8932, 18.5472, 96.5595

Protanopia

22.3084, 18.7325, 87.2340

Deuteranopia

18.5924, 18.5722, 63.5776



Tritanopia

16.3934, 18.4845, 24.5336

Trichromacy



Original Color

30.8932, 18.5472, 96.5595



Protanomaly

22.9577, 17.2444, 90.1142



Deuteranomaly

20.3090, 16.8445, 74.1324



Tritanomaly

19.9600, 17.4911, 43.9191

Monochromacy



Original Color

30.8932, 18.5472, 96.5595



Achromatopsia

17.2197, 18.1164, 19.7288



Achromatomaly

20.3903, 17.3462, 39.3192

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.8932, 18.5472, 96.5595 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(133, 84, 255)` looks like.

```
.text, #text, p{  
    color:rgb(133, 84, 255)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(133, 84, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 84, 255) }
```

Border

The CSS property to change the border of an element to XYZ 30.8932, 18.5472, 96.5595 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(133, 84, 255) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(133, 84, 255) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(133, 84, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 84, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 84, 255);  
box-shadow:4px 4px 4px 4px rgb(133, 84,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 30.8932, 18.5472, 96.5595 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 84, 255) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(133, 84,  
255) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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